



Post-Traumatic Cutting

by Willie Klaja

Gemology Online Faceting Design Competition 2013

Ostentatious Entry 1

Angles for R.I. = 1.540

130 + 21 girdles = 151 facets

3-fold, mirror-image symmetry

96 index

L/W = 1.022 T/W = 0.488 U/W = 0.470

P/W = 0.454 C/W = 0.192

Vol./W³ = 0.239

PAVILION

| | | | |
|-----|--------|-------------------|---------------------|
| P1 | 49.24° | 96-32-64 | Cut to centerpoint. |
| P2 | 48.85° | 03-29-35-61-67-93 | Meet at culet. |
| P3 | 47.86° | 06-26-38-58-70-90 | Meet at culet. |
| P4 | 46.16° | 09-23-41-55-73-87 | Meet at culet. |
| G1 | 90.00° | 96-32-64 | Set stone size. |
| G2 | 90.00° | 03-29-35-61-67-93 | Level girdle. |
| G3 | 90.00° | 06-26-38-58-70-90 | Level girdle. |
| G4 | 90.00° | 09-23-41-55-73-87 | Level girdle. |
| P5 | 46.52° | 02-30-34-62-66-94 | Meet P1, P2, G1, G2 |
| P6 | 45.72° | 05-27-37-59-69-91 | Meet P2, P3, G2, G3 |
| P7 | 44.20° | 10-22-42-54-74-86 | Meet P4, G4 |
| P8 | 44.79° | 03-29-35-61-67-93 | Meet P2, P5, P6 |
| P9 | 44.30° | 96-32-64 | Meet P1, P5 |
| P10 | 43.30° | 02-30-34-62-66-94 | Meet P5, P8, P9 |

CROWN

| | | | |
|-----|--------|-------------------|---------------------------------|
| C1 | 45.00° | 96-32-64 | Set girdle width. |
| C2 | 45.00° | 03-29-35-61-67-93 | Level girdle. |
| C3 | 45.00° | 06-26-38-58-70-90 | Level girdle. |
| C4 | 45.00° | 09-23-41-55-73-87 | Level girdle. |
| C5 | 43.08° | 01-31-33-63-65-95 | Meet G1, G2, C1, C2 |
| C6 | 42.87° | 04-28-36-60-68-92 | Meet G2, G3, C2, C3 |
| C7 | 41.78° | 08-24-40-56-72-88 | Meet G3, G4, C3, C4 |
| C8 | 33.77° | 09-23-41-55-73-87 | Meet C3, C6, C7; C4, C7 |
| C9 | 32.43° | 03-29-35-61-67-93 | Meet C2, C5, C6; C3, C6, C7, C8 |
| C10 | 33.30° | 01-31-33-63-65-95 | Meet C2, C5, C6, C9 |
| C11 | 31.74° | 02-30-34-62-66-94 | Meet C2, C5, C6, C9, C10 |
| C12 | 30.87° | 06-26-38-58-70-90 | Meet C3, C6, C7, C8, C9 |
| C13 | 28.40° | 01-31-33-63-65-95 | Meet C9, C11, C12; C10, C11 |
| T | 0.00° | Table | Meet C9, C11, C12, C13 |

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